

Name: \_\_\_\_\_

**pb1103: Factoring when  $a = \text{prime}$  (v44)**

1. Factor the expression  $2x^2 + 13x - 24$

$$(2x - 3)(x + 8)$$

2. Factor the expression  $11x^2 + 49x + 20$

$$(11x + 5)(x + 4)$$

3. Factor the expression  $11x^2 - 12x + 1$

$$(11x - 1)(x - 1)$$

4. Factor the expression  $7x^2 - 51x - 40$

$$(7x + 5)(x - 8)$$

5. Factor the expression  $5x^2 + 22x - 15$

$$(5x - 3)(x + 5)$$

6. Factor the expression  $3x^2 - 26x + 35$

$$(3x - 5)(x - 7)$$

7. Factor the expression  $5x^2 - 8x - 21$

$$(5x + 7)(x - 3)$$

8. Factor the expression  $11x^2 - 35x + 6$

$$(11x - 2)(x - 3)$$

9. Factor the expression  $5x^2 + 21x + 4$

$$(5x + 1)(x + 4)$$

10. Factor the expression  $11x^2 + 61x + 30$

$$(11x + 6)(x + 5)$$